



PTO/SB/08B (05-03)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete If Known

Application Number	10/659,992
Filing Date	9/10/2003
First Named Inventor	A. Paul Alivisatos
Art Unit	
Examiner Name	
Attorney Docket Number	IB-1830

Sheet 1 of 9

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<input checked="" type="checkbox"/>	1	4,625,071	11/25/1986	Delahoy, et al.	
<input checked="" type="checkbox"/>	2	5,331,183	07/19/1994	Sariciftci, et al.	
<input checked="" type="checkbox"/>	3	5,350,459	09/27/1994	Suzuki, et al.	
<input checked="" type="checkbox"/>	4	5,350,644	09/27/1994	Graetzel, et al.	
<input checked="" type="checkbox"/>	5	5,454,880	10/03/1995	Sariciftci, et al.	
<input checked="" type="checkbox"/>	6	5,504,323	04/02/1996	Heeger, et al.	
<input checked="" type="checkbox"/>	7	5,523,555	06/04/1996	Friend, et al.	
<input checked="" type="checkbox"/>	8	5,525,440	06/11/1996	Kay, et al.	
<input checked="" type="checkbox"/>	9	5,670,791	09/23/1997	Friend, et al.	
<input checked="" type="checkbox"/>	10	5,698,048	12/16/1997	Halls, et al.	
<input checked="" type="checkbox"/>	11	5,804,836	09/08/1998	Heeger, et al.	
<input checked="" type="checkbox"/>	12	6,013,871	01/11/2000	Curtin	
<input checked="" type="checkbox"/>	13	5,262,357	11/16/1993	Alivisatos, et al.	
<input checked="" type="checkbox"/>	14	5,505,928	04/09/1996	Alivisatos, et al.	
<input checked="" type="checkbox"/>	15	5,537,000	07/16/1996	Alivisatos, et al.	
<input checked="" type="checkbox"/>	16	5,751,018	05/12/1998	Alivisatos, et al.	
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<input checked="" type="checkbox"/>	21	6,423,551 B1	07/23/2002	Weiss, et al.	
<input checked="" type="checkbox"/>	22	6,440,213 B1	08/27/2002	Alivisatos, et al.	
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<input checked="" type="checkbox"/>	24	6,239,355 B1	05/29/2001	Salafsky	
<input checked="" type="checkbox"/>	25	2002/0006723 A1	01/17/2002	Goldstein	
<input checked="" type="checkbox"/>	26	2002/0016306 A1	02/07/2002	Hutchison, et al.	

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<input checked="" type="checkbox"/>	A	WO 99/25028 A1	06/20/1999	PCT		

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Sheet 2 of 9**Complete if Known**

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	27	SCHLAMP, et al., <i>Journal of Applied Physics</i> , Volume 82, No. 11, pp. 5837- 5842, (December 1997)	
	28	SIRRINGHAUS, et al., <i>Science</i> , Volume 280, pp. 1741-1744, (June 1998)	
	29	PENG, et al., <i>Journal of the American Chemical Society</i> , Volume 123, pp. 183-184, (December 2001)	
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	33	ARANGO, et al., <i>Advanced Materials</i> , Volume 12, Number 22, pp. 1689-1692, (November 2000)	
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	36	SCHMIDT-MENDE et al., <i>Reports</i> , (June 2001)	
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	38	HALLS, et al., <i>Nature</i> , Volume 376, p. 498-500, (August 1995)	
	39	SCHON, et al., <i>Nature</i> , Volume 403, pp. 408-410, (January 2000)	

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

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	40	ROMAN, et al., <i>Advanced Materials</i> , Volume 9, Number 15, pp. 1164-1168, (January 1997)	
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	49	YU, et al., <i>Applied Physics Letters</i> , Volume 64, Number 12, pp. 1540-1542, (March 1994)	
	50	TANG, <i>Applied Physics Letters</i> , Volume 48, Number 2, pp. 183-185, (January 1986)	
	51	HALLS, et al., <i>Applied Physics Letters</i> , Volume 68, Number 22, pp. 3120-3122, (May 1996)	
	52	PARK, et al., <i>Synthetic Metals</i> , Volume 79, pp. 177-181, (January 1996)	

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X	53	YOSHINO, et al., <i>IEEE Transactions on Electron Devices</i> , Volume 44, Number 8, (August 1997)	
	54	HARRISON, et al., <i>Physical Review B</i> , Volume 55, Number 12, pp. 7831-7849, (March 1997)	
	55	GAO, et al., <i>Synthetic Metals</i> , Volume 84, pp. 979-980, (January 1997)	
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X	65	PENG, "High Quality Inorganic Semiconductor Nanocrystals for New Solar Cells", pp. 1-8	

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Sheet 5 of 9**Complete if Known**

Application Number	10/659,992
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First Named Inventor	A. Paul Alivisatos
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	66	ZABAN et al., <i>Langmuir</i> , Volume 14, pp. 3153-3156, (May 1998)	
	67	GRATZEL, <i>MRS Bulletin</i> , pp. 61-66, (October 1993)	
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Sheet **6** of **9****Complete if Known**

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	79	DITTMER, et al., <i>Solar Energy Materials & Solar Cells</i> , Volume 61, pp. 53-61, (January 2000)	
	80	KRASNIKOV, et al., <i>Department of Polymer Chemistry, Materials Science Centre, University of Groningen: Infosheet 'Interpenetrating Morphologies for Photovoltaic Devices'</i>	
	81	HALLS, et al., <i>Synthetic Metals</i> , Volume 85, pp. 1307-1308, (January 1997)	
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	83	YU, et al., <i>Science</i> , Volume 270, pp. 1789-1791, (December 1995)	
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	90	CHANG, et al., <i>Langmuir</i> , Volume 15, pp. 701-709, (December 1999)	
	91	CHEMSEDDINE, et al., <i>Eur. J. Inorg. Chem.</i> , pp. 235-245, (January 1999)	

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	93	CHO, <i>Journal of Crystal Growth</i> , 201-202, pp. 1-7, (January 1999)	
	94	CUI, et al., <i>Science</i> , Volume 293, pp. 1289-1292, (August 2001)	
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	96	HOLMES, et al., <i>Science</i> , Volume 287, pp. 1471-1473, (February 2000)	
	97	HU, et al., <i>Accounts of Chemical Research</i> , Volume 32, Number 5, pp. 435-445, (February 1999)	
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	100	ITO, <i>Japanese Journal of Applied Physics</i> , Volume 37, Part 2, Number 10B, pp. L1217-L1220, (September 1998)	
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	104	LI, et al., <i>Nature</i> , Volume 402, pp. 393-395, (November 1999)	

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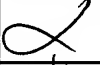

(use as many sheets as necessary)

Sheet 9 of 9

Complete if Known

Application Number	10/659,992
Filing Date	9/10/2003
First Named Inventor	A. Paul Alivisatos
Art Unit	
Examiner Name	
Attorney Docket Number	IB-1830

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	119	SATOH, et al., <i>Japanese Journal of Applied Physics</i> , Volume 38, Part 2, Number 5B, pp. L586-L589, (May 1999)	
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